HEAT PUMPS & AIR CONDITIONING
PREMIER SERIES
USER'S MANUAL

PLEASE READ THIS OWNER'S MANUAL

Thank you for purchasing MIDEA air conditioning. You have made the decision to use the very best product available. Keep this manual where the operator can easily find it. Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventative care on your part can save you a great deal of time and money over the life of this premium quality heat pump. You will find many answers to common problems in the chart of Troubleshooting Tips. Always review the Troubleshooting Tips chart first. You may find you do not need to call for service.

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The design and specifications are subject to change without prior notice for product improvement. Please consult your sales agency or manufacturer for further details.

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⚠ CAUTION

- Contact an authorised installer with appropriate refrigeration license for installation of this unit.
- Contact an authorised service technician for repair or maintenance of this unit.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by persons responsible for their safety.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation of electrical work must be performed in accordance with national wiring standards by licensed electrical personnel only.

When using this air conditioner in the European countries, please read the following information:

DISPOSAL: Do not dispose of this product as unsorted municipal waste. Collection of such waste separately for special treatment is necessary.

It is prohibited to dispose of this appliance in domestic household waste.
For disposal, there are several possibilities:

a) The municipality has established collection systems, where electronic waste can be disposed of at least free of charge to the user.
b) When buying a new product, the retailer may take back the old product free of charge.
c) The manufacturer may take back the old appliance for disposal free of charge to the user.
d) As old products contain valuable resources, they can be sold to scrap metal dealers.

Disposal of waste in landscape or forests endangers public health when hazardous substances leak into the ground-water and find their way into the food chain.

To prevent injury to the user or other people and property damage, the following instructions must be followed carefully. Incorrect operation due to ignoring of instructions may cause harm or damage. Seriousness of danger is classified by the following indications:

⚠WARNING	This symbol indicates the possibility of death or serious injury.
⚠ CAUTION	This symbol indicates the possibility of injury or damage to property.

■ Meanings of symbols used in this manual are as shown below.

⃠	**Never do this.**
!	**Always do this.**

⚠ WARNING

Connect with the power properly.
- Otherwise, it may cause electric shock or fire due to excess heat generation.

Do not operate or stop the unit by switching on or off the power.
- It may cause electric shock or fire due to heat generation.

Do not damage or use an unspecified power cord.
- It may cause electric shock or fire.

Do not modify power cord length or share the outlet with other appliances
- It may cause electric shock or fire due to heat generation.

Do not operate with wet hands or in damp environment.
- It may cause electric shock.

Do not direct airflow at room occupants only.
- This could damage your health.

Always ensure effective grounding.
- No grounding may cause electric shock.

Do not allow water to run into electric parts.
- It may cause failure of machine or electric shock.

Always install circuit breaker and a dedicated power circuit.
- No installation may cause fire and electric shock.

Disconnect the power if strange sounds, smell, or smoke comes from it.
- It may cause fire and electric shock.

Do not drink water drained from air conditioner.
- It contains contaminants and could make you sick.

Do not open the unit during operation.
- It may cause electric shock.

Use the correctly rated breaker or fuse.
- There is risk of fire or electric shock.

Do not use the power cord close to heating appliances.
- It may cause fire and electric shock.

Do not disassemble or modify unit.
- It may cause failure and electric shock.

If there is a gas leakage from another appliance, ventilate room before operating the air conditioner.
- It may cause explosion, fire and burns.

Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- It may cause explosion or fire.

⚠ CAUTION

When the air filter is to be removed, do not touch the metal parts of the unit.
- It may cause an injury.

Do not put objects like thin rods into the panel of blower and suction side.
- The high-speed fan inside may cause injury or damage.

Ventilate the room well when used together with a stove, etc.
- An oxygen shortage may occur.

When the unit is to be cleaned, switch off, and turn off the circuit breaker.
- Do not clean unit when power is on as it may cause fire, electric shock or injury.

Do not put a pet or house plant where it will be exposed to direct airflow.
- This could injure the pet or damage the plant.

Do not use for special purposes.
- Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.

Stop operation and close the windows in storm or hurricane.
- Operation with windows opened may cause wetting of indoor and soaking of household furniture.

Do not place obstacles around air-inlets or inside of air-outlet.
- It may cause failure of appliance or accident.

Turn off the main power switch when not using the unit for prolonged periods.
- It could cause failure of product or fire.

Do not use strong detergent, wax or thinner. Use a soft cloth for cleaning.
- Appearance may deteriorate due to scratches or change in product colour.

Ensure that the installation bracket of the outdoor unit is not damaged due to prolonged exposure.
- If bracket is damaged, there is danger of unit falling.

Always insert the filters securely. Clean filters once every two weeks.
- Operation without clean filters may cause failure.

Do not place heavy object on the power cord and take care that the cord is not compressed.
- This could cause fire or electric shock.

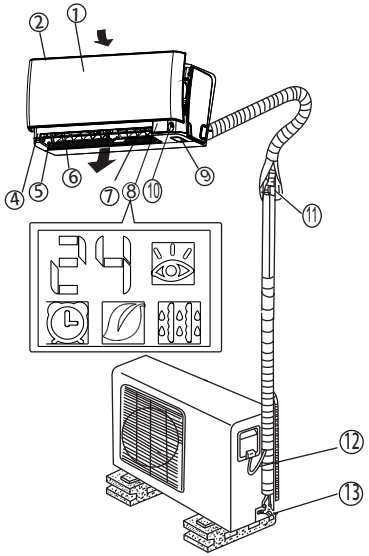
Use caution when unpacking and installing. Sharp edges could cause injury.

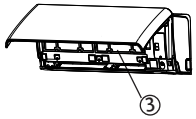
If water enters the unit, turn the unit off and disconnect the power , contact a qualified service technician.

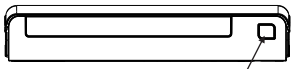
Do not clean the air conditioner with water.
- Water may enter the unit and degrade the insulation. It may cause an electric shock.

If there is a power cut, the panel or the louver may cease to close properly. Please do not use force to close them. When power returns, they will close automatically.
- Closing by force could damage the machine.

Parts Names







Manual button and receiver (at the bottom of the machine)

Indoor Unit

1. Front panel
2. Air inlet
3. Air filter
4. Air outlet
5. Horizontal air flow grille (outside)
6. Horizontal air flow grille (inside)
7. Vertical air flow louver
8. Display panel
9. Manual control button and receiver
10. INTELLIGENT EYE (on some models)

Outdoor Unit

11. Connecting pipe
12. Connecting cable
13. Stop valve

NOTE:
All the pictures in this manual are for explanation purposes only. Your air conditioner may be slightly different from illustration.

Display Panel

TEMPERATURE indication lamp
Displays the temperature settings when the air conditioner is operational.
Displays the malfunction code.
Displays the actual room temperature on Fan only mode.

INTELLIGENT EYE indication lamp
Lights up during Intelligent eye operation except when the machine is defrosting. This indication lamp continues flashing when the unit detects human activity.
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TIMER indication lamp
Lights up during Timer Operation.

ION indication lamp
Lights up when CLEAN AIR feature (IONIZER) is activated.

DEFROST indication lamp
(Enabled on cooling & heating models only): Lights up when the air conditioner starts defrosting automatically or when the warm air control feature is activated in heating operation.

Special Functions

REFRIGERANT LEAK DETECTION
With this New Technology, 'EC' will appear in the display area when the outdoor unit detects refrigerant leakage.

LOUVER ANGLE MEMORY Function
Within the scope of safety angle, the unit will memorize the open angle of horizontal louver. If it exceeds this, it will memorize the boundary of safety angle. In the following circumstances, it will return to standard angle:
1) The turbo or manual control button has been pressed;
2) The machine has been unplugged and then plugged in again.
We strongly suggest that the open angle of the horizontal louver should not be set too small in case condensed water forms and drops from the horizontal louver.

SELF CLEAN Function

- This function is used after the Shut Down of cooling operation to clean the Evaporator and keep it fresh for the next operation.
- The unit will operate as following sequence : FAN ONLY mode at LOW fan speed, HEATING mode with LOW fan speed (applicable to cooling & heating models only), FAN ONLY mode, stop operation, turn off.

NOTE:

- This function is only available under COOL (AUTO COOL, FORCED COOL) and DRY.
- Before selecting the function, it is recommended to run the air conditioner under Cooling Operation for about half an hour. Once the SELF CLEAN function is activated, all TIMER settings will be cancelled.
- When the SELF CLEAN button on the remote control is pressed again during the SELF CLEAN operation, the operation will stop and the unit will turn off automatically.

CLEAN AIR Function
Improving the quality of indoor air is one of the purposes of an air conditioner. This air conditioner is equipped with IONIZER. With the anions generated by IONIZER, the air circulation of the air conditioner fills the room with refreshing, natural and healthy air.

8°C HEATING
In heating operation, the preset temperature of the air conditioner can be as low as 8°C, which keeps the room temperature steady at 8°C in winter.

FOLLOW ME Function
The remote control serves as a remote thermostat, allowing for precise temperature control at its location.
To activate the FOLLOW ME feature, point the remote control towards the indoor unit receiver and press the FOLLOW ME button. The remote display shows the actual temperature at its location. The remote control will send this signal to the air conditioner at 3 minutes intervals until the FOLLOW ME button is pressed again. If the unit does not receive any FOLLOW ME signal during any 7 minute interval, the FOLLOW ME mode will be deactivated automatically.

INTELLIGENT EYE DETECTOR
With the built-in infrared sensor, the unit can detect the presence of humans in the room. If the unit detects no human activity continuously for 30 minutes, it will automatically enter standby (monitor) status in order to save power consumption. The unit will automatically start and resume operation when human activity is sensed again.

NOTE: This manual does not include Remote Control Operations. Please see the 'Remote Control Manual' booklet packed with the unit for details.

Operating Temperatures

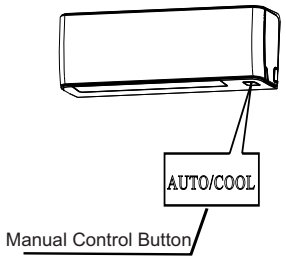
Mode / Temperature	Cooling operation	Heating operation	Drying operation
Room temperature	≥17℃(62℉)	≤30℃(86℉)	>10℃(50℉)
Outdoor temperature	0℃~50℃ (32℉~122℉)	-15℃~30℃ (5 ℉~ 86 ℉)	0℃~50℃ (32℉~122℉)
	(-15℃~ 50℃/ 5℉~122℉: For the models with low temperature cooling system)		

NOTE:

1. Optimum performance will be achieved within these operating temperatures. If air conditioner is used outside of the above conditions, certain safety protection features might come into operation and cause the unit to function abnormally.
2. Room relative humidity should be less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please set the vertical airflow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.

Manual Operation

Manual operation can be used temporarily in case the remote control is disabled or the unit requires maintenance.



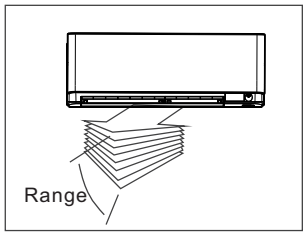
NOTE: The unit must be turned off before operating the Manual Control Button. If the unit is operating, continue pressing the Manual Control Button until the unit is switched off.

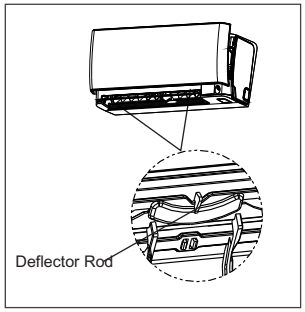
① The Manual Control Button is on the bottom of the unit as shown in the picture.
② One press of the Manual Control Button will lead to the FORCED AUTO operation.
③ If the Manual Control Button is pressed twice within five seconds, the unit will operate under FORCED COOL operation.

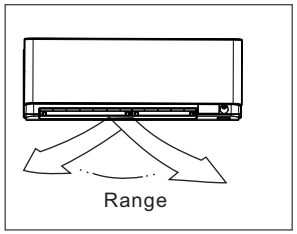
CAUTION:

This button is used for testing purposes only. Please DO NOT USE it.
To restore the remote control operation, use the remote control directly.

Airflow Direction Control







- Adjust the airflow direction properly, otherwise it might cause discomfort or cause uneven room temperature.
- Adjust the horizontal louver using the remote control.
- Adjust the vertical louver manually (for models without motorised louver function) or using the remote control.

To set the vertical airflow (UP - DOWN) direction:

- Perform this function while the unit is in operation. Use the remote control to adjust the air flow direction. The horizontal louver can be moved at a range of 6° for each press, or swing up and down automatically. Please refer to the 'REMOTE CONTROL MANUAL' booklet for details.

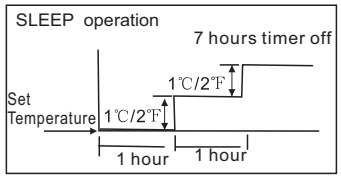
To set the horizontal airflow (LEFT - RIGHT) direction:

- Move the Deflector Rod manually to adjust the air flow in the direction you prefer. (FOR MODELS WITHOUT MOTORISED HORIZONTAL LOUVER FUNCTION) **IMPORTANT**: Do not put your fingers into the panel of blower and suction side. The high-speed fan inside may cause injury.
- For some models, the vertical louver can be adjusted by using the remote control. Please refer to the 'REMOTE CONTROL MANUAL' for details.

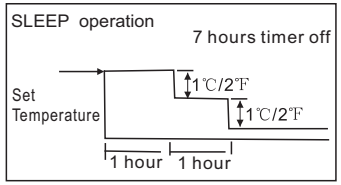
⚠ CAUTION

- Do not operate the air conditioner for long periods with the airflow direction set downward in cooling or dehumidifying mode. This may cause condensation on the surface of the horizontal louver causing moisture to drop onto the floor or on furnishings.
- When the air conditioner is started immediately after it was stopped, the horizontal louver might not move for approximately 10 seconds. Please wait.
- Open angle of the horizontal louver should not be set too small, as COOLING or HEATING performance may be impaired due to too greatly restricted area of airflow.
- Do not move the horizontal louver manually, otherwise the horizontal louver will be out of sync. Please cease operating, unplug power for a few seconds, then restart the air conditioner.
- Do not operate unit with horizontal louver in closed position.

How the Air Conditioner Works



Cooling



Heating

AUTO Operation

- When you set the air conditioner in AUTO mode, it will automatically select COOLING, HEATING (for cooling and heating models only), or FAN ONLY operation depending on set temperature and room temperature.
- The air conditioner will control room temperature automatically to the temperature point you set.
- If you feel uncomfortable in the AUTO mode, you can select your desired temperature.

SLEEP Operation

- When you push SLEEP button on remote control during COOLING, HEATING (for cooling and heating models only), or AUTO operation, the air conditioner will automatically increase (in COOLING) or decrease (in HEATING) 1°C/2°F per hour for the first 2 hours, then hold steadily for the next 5 hours, after that it will turn off.
- This mode saves you energy and brings comfort at night.

DRYING Operation

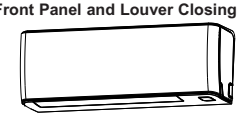
- The fan speed will be automatically controlled under DRYING operation.
- During the DRYING operation, if the room temperature is lower than 10°C(50°F), the compressor stops operation and restarts when the room temperature is above 12°C(54°F).

Optimal Operation

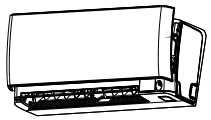
- To achieve optimal performance, please note the following:
- Adjust the airflow direction correctly so that it does not blow directly at people.
- Adjust the temperature to achieve the most comfortable level. Do not adjust the unit to excessive temperature levels.
- Close doors and windows on COOL or HEAT modes, otherwise performance will be reduced.
- Use TIMER ON button on the remote control to select a time you want to start your air conditioner.
- Do not put any object near air inlet or air outlet, as the efficiency of the air conditioner may be reduced and the air conditioner may stop running.
- Clean the air filter every 2 weeks, otherwise cooling or heating performance may be reduced.
- Do not operate unit with horizontal louver in closed position.
- The unit must be correctly sized to condition the room.

Preparation Before Care and Maintenance

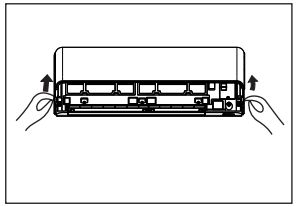
Front Panel and Louver Closing Properly

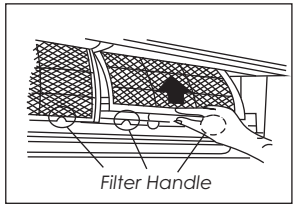


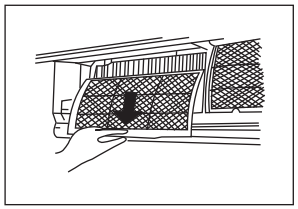
Front Panel and Louver Closing Improperly



Care and Maintenance







Cleaning the Grille, Case and Remote Control

- Turn the system off before cleaning. To clean, wipe with a soft, dry cloth. Do not use bleach or abrasives.

NOTE: Power supply must be disconnected before cleaning the indoor unit.

⚠ CAUTION

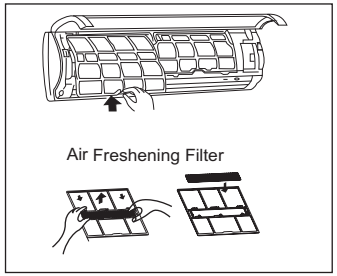
- A cloth dampened with cold water may be used on the indoor unit if it is very dirty. Then wipe it dry with a dry cloth.
- Do not use a chemically treated cloth or duster to clean the unit.
- Do not use benzine, thinner, polishing powder, or other similar solvents for cleaning. These may cause the plastic surface to crack or deform.
- WARNING! Never use water hotter than 40°C/104°F to clean the front panel, it could cause deformation or discoloration.

Cleaning the Air Filters

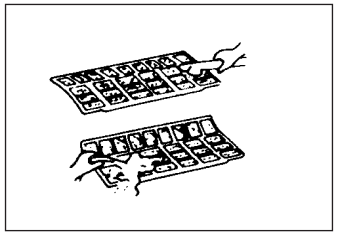
NOTE: Power supply must be disconnectd before cleaning the indoor unit.

Clogged air filters reduce the cooling and heating efficiencies of this air conditioning unit. PLEASE CLEAN THE AIR FILTERS ONCE EVERY 2 WEEKS.

1. Lift the indoor unit panel up to an angle until it stops with a clicking sound.
2. Take hold of the handle of the AIR FILTER and lift it up slightly to take it out from the filter holder, then pull it downwards.
3. Remove the AIR FILTERS from the indoor unit.
   - Clean the AIR FILTERS once every two weeks.
   - Clean the AIR FILTERS with a vacuum cleaner or rinse with water, then dry them off in a cool place before putting them back in the filter holder.

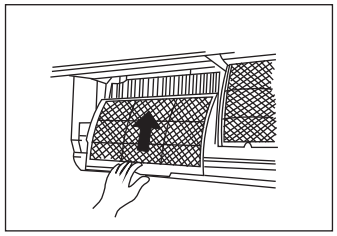


4. Remove the (additional) AIR FRESHENING FILTER from its supporting frame (on some models).
   - Clean the AIR FRESHENING FILTER at least once a month, and replace it every 12 months.
   - Clean it with vacuum cleaner, then dry it in cool place. Do not rinse with water.
5. Install the AIR FRESHENING FILTER back into its position.
6. Insert the upper portion of air filter back into the unit, taking care that the left and right edges line up correctly and place filter into position.



Maintenance

If you plan not to use the air conditioning unit for a long time, perform the following:
(1) Clean the indoor unit and filters.
(2) Operate the fan for about half a day to dry the inside of the unit (if it has been used in cooling).
(3) Stop the air conditioner and disconnect power.
(4) Remove the batteries from the remote control.
(5) The outdoor unit requires periodic maintenance and cleaning. Do not attempt to do this yourself. Contact your dealer or service provider.



Checks Before Operation

- Check that the wiring is not broken off or disconnected.
- Clean the indoor unit and filters.
- Check that the air filter is installed.
- If the air conditioner has not been used for a long time, check if the air outlet or inlet is blocked.

⚠Caution

- Do not touch metal parts of the indoor unit when removing the air filters. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit and filter, first make sure that the power and circuit breaker are switched off.
- Do not wash with hot water at more than 40°C/104°F. Shake off moisture completely and dry it in the shade; do not expose it directly to the sun. The filter may shrink.

You may notice the following during normal operation:

1. **Protection of the air conditioner**
   Compressor 3-minute Protection
   - The compressor cannot restart for 3 minutes after it stops.

   Anti-Cold Air (for cooling and heating models only)
   - The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached:
     a) When heating has just started.
     b) Defrosting.
     c) Low temperature heating.
   - The indoor or outdoor fan stops running when defrosting (for cooling and heating models only).

   INTELLIGENT DEFROST Function (for cooling and heating models only)
   - Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high, resulting in lower heating efficiency of the air conditioner.
   - During this condition the heat pump will stop heating operation and start defrosting automatically.
   - With the INTELLIGENT DEFROST Function, defrost time may vary from 4 to 10 minutes depending on the outdoor temperature and the amount of frost built up on the outdoor unit.

2. **A white mist coming out from the indoor unit**
   - A white mist may generate due to a large temperature difference between air inlet and air outlet on COOLING mode in an indoor environment that has a high relative humidity.
   - A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEATING mode operation after defrosting.

3. **Low noise of the air conditioner**
   - You may hear a low hissing sound when the compressor is running or has just stopped running. It is the sound of the refrigerant flowing or coming to a stop.
   - You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.
   - A noise may be heard due to louver restoring to its original position when power is turned on.

4. **Dust is blown out from the indoor unit.**
   This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5. **A peculiar smell comes out from the indoor unit.**
   This is caused by the indoor unit giving off smells permeated from building material, from furniture or smoke.

6. **The air conditioner turns to FAN ONLY mode from COOLING or HEATING (for cooling and heating models only) mode.**
   When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN ONLY mode. The compressor will start again when the indoor temperature rises on COOLING mode or falls on HEATING mode (for cooling and heating models only) to the set point.

7. **The air conditioner runs ANTI-MILDEW function after turning off the unit.**
   When turning off the unit under COOL (AUTO COOL, FORCED COOL) and DRY mode, the air conditioner will run ANTI-MILDEW function for 7-10 minutes, then stop the operation and turn off the unit automatically.

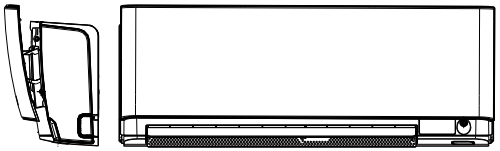
8. Dripping water may generate on the surface of the indoor unit when cooling in a high relatively humidity (relative humidity higher than 80%). Adjust the horizontal louver to the maximum air outlet position and select HIGH fan speed.

9. **Heating mode (for cooling and heating models only)**
The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. It's crucial to have the correctly sized air conditioner installed for the room. If a comfortable temperature can't be achieved by the air conditioner, we suggest you use a supplementary heating device.

10. **AUTO-RESTART Function**
- Power failure during operation will stop the unit completely.
- For the unit without AUTO-RESTART Feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote control. For the unit with AUTO-RESTART Feature, when the power restores, the unit restarts automatically with all the previous settings preserved by the memory function.

11. Lightning or a wireless telephone operating nearby may cause the unit to malfunction. Disconnect the unit from the power supply and then re-connect the unit with power again. Push the ON/OFF button on the remote control to restart operation.

12. If you are switching on or turning off the unit, and suddenly there is a power cut, the front panel or louver is not yet opened or closed, do not attempt to press with force to make them close fully. When power is restored the front panel or louver will open or close automatically. Please refer to illustrations below.



Troubleshooting Tips

If one of the following faults occurs, stop the air conditioner immediately, disconnect the power and then connect it. If the problem still persists, disconnect the power and contact the nearest customer service center:

Problem	OPERATION indicator or other indicators continue flashing.
	Fuse blows frequently or circuit breaker trips frequently.
	Other objects or water fall into the air conditioner.
	The remote controller won't work or works abnormally.
	If one of the following code appears on the display area: E0, E1, E2, E3, E5.....or EC.....or F1, F2, F3, F4, F5.....or P0, P1, P2, P4.....

Malfunctions	Cause	What should be done?
Unit does not start	Power cut	Wait for power to be restored
	Unit may have become unplugged	Check that plug is securely in wall receptacle
	Fuse may have blown	Replace the fuse
	Battery in Remote controller may have been exhausted (flat batteries)	Replace the battery
	The time you have set with timer is incorrect	Wait or cancel timer setting
Unit not cooling or heating (for cooling and heating model) room very well while air flowing out from the air conditioner	Inappropriate temperature setting	Set temperature correctly. For detailed method please refer to the 'Remote Control Manual' booklet.
	Air filter is blocked	Clean the air filters
	Doors or windows are open	Close the doors or windows
	Air inlet or outlet of indoor or outdoor unit has been blocked	Clear obstructions away first, then restart the unit
	Compressor 3 minutes protection has been activated	Wait

If the trouble has not been fixed, please contact a local dealer or the nearest customer service center. Be sure to inform them in detailed of the malfunctions and your unit's model number.

NOTE: DO NOT ATTEMPT TO REPAIR THE UNIT YOURSELF
ALWAYS CONSULT AN AUTHORISED SERVICE PROVIDER
HAVE THE CORRECTLY SIZED AIR CONDITIONER INSTALLED